

## **EXHIBIT B**

EXECUTION COPY

**TYCO INTERNATIONAL GROUP S.A.,**  
as Issuer

**AND**

**TYCO INTERNATIONAL LTD.,**  
as Guarantor, if applicable

**AND**

**THE BANK OF NEW YORK,**  
as Trustee

**INDENTURE**

Dated as of November 12, 2003

**UNSUBORDINATED DEBT SECURITIES**

appoint an eligible successor Authenticating Agent acceptable to the Company. Any successor Authenticating Agent, upon acceptance of its appointment hereunder, shall become vested with all the rights, powers and duties of its predecessor hereunder as if originally named as an Authenticating Agent pursuant hereto.

Section 2.11      Global Securities.

(a)      General. If the Company shall establish pursuant to Section 2.01 that the Securities of a particular series are to be issued as a Global Security, then the Company shall execute, and if applicable Tyco shall endorse, and the Trustee in accordance with Section 2.04 shall authenticate, a Global Security that (i) shall represent, and shall be denominated in an amount equal to the aggregate principal amount of, all of the Outstanding Securities of such series, (ii) shall be registered in the name of the Depositary or its nominee and (iii) shall be delivered to the Trustee as custodian for the Depositary or otherwise delivered pursuant to the Depositary's instructions. Global Securities may be issued in either temporary or permanent form.

(b)      Euroclear and Clearstream Procedures Applicable. The provisions of the "Operating Procedures of the Euroclear System" and the "Terms and Conditions Governing Use of Euroclear" and the "General Terms and Conditions of Clearstream Banking" and "Customer Handbook" of Clearstream, respectively, in effect at the relevant time shall be applicable to transfers of beneficial interests in the Regulation S Global Securities of such series that are held by Participants through Euroclear or Clearstream.

Section 2.12      CUSIP Numbers.

The Company in issuing the Securities of a series may use "CUSIP" numbers (if then generally in use), and, if so, the Trustee shall use "CUSIP" numbers in notices of redemption as a convenience to Securityholders; provided that any such notice may state that no representation is made as to the correctness of such numbers either as printed on the Securities or as contained in any notice of a redemption and that reliance may be placed only on the other identification numbers printed on the Securities, and any such redemption shall not be affected by any defect in or omission of such numbers. The Company will promptly notify the Trustee of any change in the "CUSIP" numbers.

Section 2.13      Securities Denominated in Foreign Currencies.

Except as otherwise specified pursuant to Section 2.01 for Securities of any series, payment of the principal of, premium, if any, and interest on, Securities of such series denominated in any Foreign Currency will be made in such Foreign Currency.

In the event any Foreign Currency or Currencies in which any payment with respect to any series of Securities may be made ceases to be a freely convertible Currency on United States Currency markets, for any date thereafter on which payment of principal of, premium, if any, or interest on the Securities of a series is due, the Company shall select the Currency of payment for use on such date, all as provided in the Securities of such series, in a Board Resolution or in one or more indentures supplemental hereto. In such event, the Company shall notify the Trustee of the Currency which it has selected to constitute the funds necessary to meet the Company's

with respect to a series of Securities, the Company initially designates the Corporate Trust Office of The Bank of New York, 101 Barclay Street, 21 W, New York, New York 10286, acting as the Company's agent, as the office to be maintained by it for each such purpose.

Section 4.03      Paying Agents.

(a)      The Company may appoint one or more paying agents, other than the Trustee, for all or any series of the Securities. If the Company fails to appoint or maintain another entity as paying agent, the Trustee shall act as such. Tyco, the Company or any of their Subsidiaries may act as paying agent.

(b)      The Company shall require each paying agent other than the Trustee to agree in writing that the paying agent will hold in trust for the benefit of Securityholders or the Trustee all funds held by the paying agent for the payment of principal, premium, if any, or interest on the Securities, and will promptly notify the Trustee in writing of any default by the Company in making any such payment. While any such default continues, the Trustee may require a paying agent to pay all funds held by it to the Trustee. The Company at any time may require a paying agent to pay all funds held by it to the Trustee. Upon payment over to the Trustee, the paying agent (if other than Tyco, the Company or any of their Subsidiaries) shall have no further liability for the funds. If Tyco, the Company or any of their Subsidiaries acts as paying agent, it shall segregate and hold in a separate trust fund for the benefit of the Securityholders all funds held by it as paying agent.

(c)      Notwithstanding anything in this Section to the contrary, (i) the agreement to hold funds in trust as provided in this Section 4.03 is subject to the provisions of Section 11.06, and (ii) the Company at any time, for the purpose of obtaining the satisfaction and discharge or defeasance of this Indenture or for any other purpose, may pay, or direct any paying agent to pay, to the Trustee all funds held in trust by the Company or such paying agent, such funds to be held by the Trustee upon the same terms and conditions as those upon which such funds were held by the Company or such paying agent. Upon such payment by any paying agent to the Trustee, such paying agent shall be released from all further liability with respect to such funds.

Section 4.04      Statement by Officers as to Default.

So long as any of the Securities remain outstanding, the Company and Tyco will furnish to the Trustee on or before March 31 in each year a brief certificate (which need not comply with Section 13.06) executed by the principal executive, financial or accounting officer of each of the Company and Tyco on their respective behalf as to his or her knowledge of the Company's or Tyco's, as the case may be, compliance with all covenants and agreements under the Indenture required to be complied with by the Company and Tyco, respectively (such compliance to be determined without regard to any period of grace or requirement of notice provided under the Indenture). Such certificate need not include a reference to any non-compliance that has been fully cured prior to the date as of which such certificate speaks.

The Company shall provide written notice to the Trustee within 30 days of the occurrence of any Event of Default under Section 6.01.

Indenture, or to enforce any other legal or equitable right vested in the Trustee by this Indenture or by law.

Nothing contained herein shall be deemed to authorize the Trustee to authorize or consent to or accept or adopt on behalf of any Securityholder any plan of reorganization, arrangement, adjustment or composition affecting the Securities of that series or the rights of any holder thereof or to authorize the Trustee to vote in respect of the claim of any Securityholder in any such proceeding.

Section 6.03        Application of Funds Collected.

Any funds collected by the Trustee pursuant to this Article VI with respect to a particular series of Securities shall be applied in the following order, at the date or dates fixed by the Trustee and, in case of the distribution of such funds on account of principal, premium, if any, or interest, upon presentation of the Securities of that series, and notation thereon the payment, if only partially paid, and upon surrender thereof if fully paid:

FIRST: To the payment of costs and expenses of collection and of all amounts payable to the Trustee under Section 7.06;

SECOND: To the payment of the amounts then due and unpaid upon Securities of such series for principal, premium, if any, and interest, in respect of which or for the benefit of which such funds have been collected, ratably, without preference or priority of any kind, according to the amounts due and payable on such Securities for principal, premium, if any, and interest, respectively; and

THIRD: To the Company.

Section 6.04        Limitation on Suits.

No holder of any Security of any series shall have any right by virtue or by availing of any provision of this Indenture to institute any suit, action or proceeding in equity or at law upon or under or with respect to this Indenture or for the appointment of a receiver or trustee, or for any other remedy hereunder, unless (i) such holder previously shall have given to the Trustee written notice of an Event of Default and of the continuance thereof with respect to the Securities of such series specifying such Event of Default; (ii) the holders of not less than 25% in aggregate principal amount of the Securities of such series then Outstanding shall have made written request upon the Trustee to institute such action, suit or proceeding in its own name as trustee hereunder; (iii) such holder or holders shall have offered to the Trustee such reasonable indemnity as it may require against the costs, expenses and liabilities to be incurred therein or thereby; (iv) the Trustee for 60 days after its receipt of such notice, request and offer of indemnity, shall have failed to institute any such action, suit or proceeding; and (v) during such 60 day period, the holders of a majority in principal amount of the Securities of that series do not give the Trustee a direction inconsistent with the request.

Notwithstanding anything contained herein to the contrary, any other provisions of this Indenture, the right of any holder of any Security to receive payment of the principal of, and premium, if any, and interest on such Security, as therein provided, on or after the respective due dates

expressed in such Security (or in the case of redemption, on the redemption date), or to institute suit for the enforcement of any such payment on or after such respective dates or redemption date, shall not be impaired or affected without the consent of such holder. By accepting a Security hereunder it is expressly understood, intended and covenanted by the taker and holder of every Security of such series with every other such taker and holder and the Trustee, that no one or more holders of Securities of such series shall have any right in any manner whatsoever by virtue or by availing of any provision of this Indenture to affect, disturb or prejudice the rights of the holders of any other of such Securities, or to obtain or seek to obtain priority over or preference to any other such holder, or to enforce any right under this Indenture, except in the manner herein provided and for the equal, ratable and common benefit of all holders of Securities of such series. For the protection and enforcement of the provisions of this Section 6.04, each Securityholder and the Trustee shall be entitled to such relief as can be given either at law or in equity.

Section 6.05        Rights and Remedies Cumulative: Delay or Omission not Waiver.

(a) Except as otherwise provided in Section 2.07, all powers and remedies given by this Article VI to the Trustee or to the Securityholders, to the extent permitted by law, shall be deemed cumulative and not exclusive of any other powers and remedies available to the Trustee or the holders of the Securities, by judicial proceedings or otherwise, to enforce the performance or observance of the covenants and agreements contained in this Indenture or otherwise established with respect to such Securities.

(b) No delay or omission of the Trustee or of any holder of any of the Securities to exercise any right or power accruing upon any Event of Default occurring and continuing shall impair any such right or power, or shall be construed to be a waiver of any such default or on acquiescence therein. Subject to the provisions of Section 6.04, every power and remedy given by this Article VI or by law to the Trustee or the Securityholders may be exercised from time to time, and as often as shall be deemed expedient, by the Trustee or by the Securityholders.

Section 6.06        Control by Securityholders.

The holders of a majority in aggregate principal amount of the Securities of any series at the time Outstanding, determined in accordance with Section 8.04, shall have the right to direct the time, method and place of conducting any proceeding for any remedy available to the Trustee or exercising any trust or power conferred on the Trustee with respect to such series; provided, however, that such direction shall not be in conflict with any rule of law or with this Indenture or be unduly prejudicial to the rights of holders of Securities of any other series at the time Outstanding determined in accordance with Section 8.04. Subject to the provisions of Section 7.01, the Trustee shall have the right to decline to follow any such direction if the Trustee in good faith, by a Responsible Officer or Responsible Officers of the Trustee, shall determine that the proceeding so directed would involve the Trustee in personal liability. The holders of a majority in aggregate principal amount of the Securities of any series at the time Outstanding affected thereby, determined in accordance with Section 8.04, on behalf of the holders of all of the Securities of such series may waive any past default in the performance of any of the covenants contained herein or established pursuant to Section 2.01 with respect to such series and its consequences, except a default in the payment of the principal of, premium, if any, or

(i) The rights, privileges, protections, immunities and benefits given to the Trustee, including, without limitation, its right to be indemnified, are extended to, and shall be enforceable by, the Trustee in each of its capacities hereunder, and each agent, custodian and other Person employed to act hereunder.

(j) The Trustee may request that the Company deliver an Officers' Certificate setting forth the names of individuals and/or titles of officers authorized at such time to take specified actions pursuant to this Indenture, which Officers' Certificate may be signed by any person authorized to sign an Officers' Certificate, including any person specified as so authorized in any such certificate previously delivered and not superseded.

#### Section 7.03 Trustee not Responsible for Recitals or Issuance of Securities.

(a) The recitals contained herein and in the Securities shall be taken as the statements of the Company, and the Trustee assumes no responsibility for the correctness of the same.

(b) The Trustee makes no representations as to the validity or sufficiency of this Indenture or of the Securities.

(c) The Trustee shall not be accountable for the use or application by the Company of any of the Securities or of the proceeds of such Securities, or for the use or application of any funds paid over by the Trustee in accordance with any provision of this Indenture or established pursuant to Section 2.01, or for the use or application of any funds received by any paying agent other than the Trustee.

#### Section 7.04 May Hold Securities.

The Trustee or any paying agent or Security Registrar, in its individual or any other capacity, may become the owner or pledgee of Securities with the same rights it would have if it were not Trustee, paying agent or Security Registrar. However, the Trustee is subject to Sections 7.09 and 7.13.

#### Section 7.05 Funds Held in Trust.

Subject to the provisions of Section 11.06, all funds received by the Trustee, until used or applied as herein provided, shall be held in trust for the purposes for which they were received, but need not be segregated from other funds except to the extent required by law. The Trustee shall be under no liability for interest on any funds received by it hereunder except such as it may agree with the Company to pay thereon.

#### Section 7.06 Compensation and Reimbursement.

(a) The Company shall pay to the Trustee, and the Trustee shall be entitled to be paid, such compensation (which shall not be limited by any provision of law in regard to the compensation of a trustee of an express trust), as the Company and the Trustee from time to time may agree in writing, for all services rendered by it in the execution of the trusts hereby created and in the exercise and performance of any of the powers and duties hereunder of the Trustee. Except as otherwise expressly provided herein, the Company will pay or reimburse the Trustee

upon its request for all reasonable expenses and disbursements incurred or made by the Trustee in accordance with any of the provisions of this Indenture (including the reasonable compensation and the expenses and disbursements of its counsel and of all Persons not regularly in its employ) except any such expense or disbursement as may arise from its own negligence or bad faith. The Company and Tyco shall indemnify the Trustee (and its officers, agents, directors and employees) for, and shall hold it harmless against, any and all loss, liability, claim, damage or expense, including taxes (other than taxes based upon, measured by or determined by the income of the Trustee) incurred without negligence or bad faith on the part of the Trustee and arising out of or in connection with the acceptance or administration of this trust, including the costs and expenses of defending itself against any claim of liability (whether asserted by the Company, any Holder or any other Person).

(b) The obligations of the Company under this Section 7.06 to compensate and indemnify the Trustee and to pay or reimburse the Trustee for expenses and disbursements shall: (i) be secured by a lien prior to that of the Securities upon all property and funds held or collected by the Trustee as such, except funds held in trust for the benefit of the holders of particular Securities; and (ii) survive the termination of this Indenture and resignation or removal of the Trustee.

Section 7.07 Reliance on Officers' Certificate.

Except as otherwise provided in Section 7.01, whenever in the administration of the provisions of this Indenture the Trustee shall deem it necessary or desirable that a matter be proved or established prior to taking or suffering or omitting to take any action hereunder, such matter (unless other evidence in respect thereof be herein specifically prescribed), in the absence of negligence or bad faith on the part of the Trustee, may be deemed to be conclusively proved and established by an Officers' Certificate delivered to the Trustee and such certificate, in the absence of negligence or bad faith on the part of the Trustee, shall be full warrant to the Trustee for any action taken, suffered or omitted to be taken by it under the provisions of this Indenture upon the faith thereof.

Section 7.08 Disqualification: Conflicting Interests.

If the Trustee has or shall acquire any "conflicting interest" within the meaning of Section 310(b) of the Trust Indenture Act, the Trustee and the Company shall in all respects comply with the provisions of Section 310(b) of the Trust Indenture Act.

Section 7.09 Corporate Trustee Required: Eligibility.

There shall at all times be a Trustee with respect to the Securities issued hereunder which shall at all times be a corporation organized and doing business under the laws of the United States or any State or Territory thereof or of the District of Columbia, or a corporation or other Person permitted to act as trustee by the Commission, authorized under such laws to exercise corporate trust powers, having a combined capital and surplus of at least \$100,000,000, and subject to supervision or examination by Federal, State, Territorial, or District of Columbia authority. If such corporation publishes reports of condition at least annually, pursuant to law or to the requirements of the aforesaid supervising or examining authority, then for the purposes of

Section 8.03 Who May be Deemed Owners.

Prior to the due presentment for registration of transfer of any Security, the Company, the Trustee, any paying agent and any Security Registrar may deem and treat the Person in whose name such Security shall be registered upon the books of the Company as the absolute owner of such Security (whether or not such Security shall be overdue and notwithstanding any notice of ownership or writing thereon made by anyone other than the Security Registrar) for the purpose of receiving payment of or on account of the principal of, premium, if any, and (subject to Section 2.03) interest on such Security and for all other purposes; and neither the Company nor the Trustee nor any paying agent nor any Security Registrar shall be affected by any notice to the contrary.

None of the Company, the Trustee, any paying agent or the Security Registrar will have any responsibility or liability for any aspect of the records relating to or payments made on account of beneficial ownership interests in a Global Security or for maintaining, supervising or reviewing any records relating to such beneficial ownership interests.

Section 8.04 Certain Securities Owned by Company Disregarded.

In determining whether the holders of the requisite aggregate principal amount of Securities of a particular series have concurred in any direction, consent of waiver under this Indenture, the Securities of that series that are owned by Tyco, the Company or any other obligor on the Securities of that series or by an Affiliate of Tyco or the Company shall be disregarded and deemed not to be Outstanding for the purpose of any such determination, except that for the purpose of determining whether the Trustee shall be protected in relying on any such direction, consent or waiver, only Securities of such series that a Responsible Officer of the Trustee knows are so owned shall be so disregarded. The Securities so owned that have been pledged in good faith may be regarded as Outstanding for the purposes of this Section, if the pledgee shall establish to the satisfaction of the Trustee the pledgee's right so to act with respect to such Securities and that the pledgee is not an Affiliate. In case of a dispute as to such right, any decision by the Trustee taken upon the advice of counsel shall be full protection to the Trustee. Upon request of the Trustee, the Company shall furnish to the Trustee promptly an Officers' Certificate listing and identifying all Securities of a particular series, if any known by Tyco or the Company to be owned or held by or for the account of any of the above described Persons and, subject to Sections 7.01 and 7.02, the Trustee shall be entitled to accept such Officers' Certificate as conclusive evidence of the facts therein set forth and of the fact that all Securities of such particular series not listed therein are Outstanding for the purpose of any such determination.

Section 8.05 Actions Binding on Future Securityholders.

At any time prior to the evidencing to the Trustee, as provided in Section 8.01, of the taking of any action by the holders of the majority or percentage in aggregate principal amount of the Securities of a particular series specified in this Indenture in connection with such action, any holder of a Security of that series that is shown by the evidence to be included in the Securities the holders of which have consented to such action, by filing written notice with the Trustee, and upon proof of holding as provided in Section 8.02, may revoke such action so far as